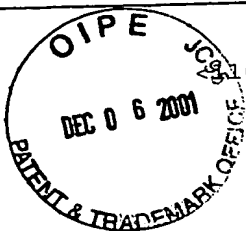


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<10> MOCKEL, BETTINA
HERMANN, THOMAS
FARWICK, MIKE
BINDER, MICHAEL
PFEFFERLE, WALTER

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gtcggtttca gtagtggact cgacataagt gcgaagatac tcgaaggcgt tactcacgcg 180

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1

5

10

15

gaa acc gtt caa gca gaa cat gct gaa gaa ctc acg ggc act gca gca 397

Glu Thr Val Gln Ala Glu His Ala Glu Glu Leu Thr Gly Thr Ala Ala

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25

30

AI
Cm.t

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 Phe Asp Ala Gly Gln Ala Asp Met Pro Thr Trp Gly Glu Leu Val Ala
 35 40 45

gaa cat gca gat agc gtt tac cgc ctc gcg tac cgt ctt tcc ggc aac 493
 Glu His Ala Asp Ser Val Tyr Arg Leu Ala Tyr Arg Leu Ser Gly Asn
 50 55 60

cag cac gat gct gaa gac ctg acc caa gaa aca ttc atg cgt gtc ttc 541
 Gln His Asp Ala Glu Asp Leu Thr Gln Glu Thr Phe Met Arg Val Phe
 65 70 75 80

cgc tcg ttg aag agc tac cag cca ggc acc ttt gag ggc tgg ctg cac 589
 Arg Ser Leu Lys Ser Tyr Gln Pro Gly Thr Phe Glu Gly Trp Leu His
 85 90 95

cgc atc acc acc aac ttg ttc ctt gat atg gtt cgc cac cgc ggc aag 637
 Arg Ile Thr Thr Asn Leu Phe Leu Asp Met Val Arg His Arg Gly Lys
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atc cgc atg gag gcg ctg cct gaa gat tat gag cgc gtt ccg ggc aat 685
 Ile Arg Met Glu Ala Leu Pro Glu Asp Tyr Glu Arg Val Pro Gly Asn
 115 120 125

gac atc acc cca gag cag gca tac acc gaa gct aac ctt gac cca gct 733
 Asp Ile Thr Pro Glu Gln Ala Tyr Thr Glu Ala Asn Leu Asp Pro Ala
 130 135 140

ctg cag gca gcc ctc gat gag ttg agc cca gac ttc cgc gtg gca gtg 781
 Leu Gln Ala Ala Leu Asp Glu Leu Ser Pro Asp Phe Arg Val Ala Val
 145 150 155 160

atc ctc tgt gat gtt gtt ggt atg agc tat gac gaa atc gca gag acc 829
 Ile Leu Cys Asp Val Val Gly Met Ser Tyr Asp Glu Ile Ala Glu Thr
 165 170 175

ctc gga gtg aaa atg ggt acc gtg cgt tcc cgt att cac cgt gga cgc 877
 Leu Gly Val Lys Met Gly Thr Val Arg Ser Arg Ile His Arg Gly Arg
 180 185 190

agc cag ctt cgt gca agt ttg gaa gct gca gca atg acc agc gag gaa 925
 Ser Gln Leu Arg Ala Ser Leu Glu Ala Ala Ala Met Thr Ser Glu Glu
 195 200 205

gtt tct ttg ttg gtt cca acc cac taaagttggt gtgttttctg acacgacaaa 979
 Val Ser Leu Leu Val Pro Thr His
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gggaacttat cacaggcgac atccgttttg agtagtaggt atcttggata agaagttacc 1099

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Phe Asp Ala Gly Gln Ala Asp Met Pro Thr Trp Gly Glu Leu Val Ala
35 40 45

Glu His Ala Asp Ser Val Tyr Arg Leu Ala Tyr Arg Leu Ser Gly Asn
50 55 60

Gln His Asp Ala Glu Asp Leu Thr Gln Glu Thr Phe Met Arg Val Phe
65 70 75 80

Arg Ser Leu Lys Ser Tyr Gln Pro Gly Thr Phe Glu Gly Trp Leu His
85 90 95

Arg Ile Thr Thr Asn Leu Phe Leu Asp Met Val Arg His Arg Gly Lys
100 105 110

Ile Arg Met Glu Ala Leu Pro Glu Asp Tyr Glu Arg Val Pro Gly Asn
115 120 125

Asp Ile Thr Pro Glu Gln Ala Tyr Thr Glu Ala Asn Leu Asp Pro Ala
130 135 140

Leu Gln Ala Ala Leu Asp Glu Leu Ser Pro Asp Phe Arg Val Ala Val
145 150 155 160

Ile Leu Cys Asp Val Val Gly Met Ser Tyr Asp Glu Ile Ala Glu Thr
165 170 175

Leu Gly Val Lys Met Gly Thr Val Arg Ser Arg Ile His Arg Gly Arg
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ccgcaatggg gccgtcaagg agcgcacgcg cgagcaccag cgcaccgcct cgtcgaagaa 180
gcggccaggc ggcgtcgaca agcgccttta aatccatggg ggagacttgg ccgaagacaa 240
gctgatatgt gtcgttggca aggcgactca tcacgtcgag cgggcgcgag agcaagaagc 300
gtacgcggct gggggaatag ccggcctcgc ggaagagtgc tttggcctgg cgctgatgct 360
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tccgctcaga gtgcaaaaac gaagaagtgt ccgccccaat ggacctcaaa gcacggcttg 180
ccagcctcgc cactgagtgc atgcctggcc ctggcgacga gaatttagca atgcagcgcc 240
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gcggccaggc ggcgtcgaca agcgccttta aatccatggg ggagacttgg ccgaagacaa 240
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AI
Cm.t

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agatgtgaag tacctacacg cattaagtgc aaatgaattc acaattgccca gaagatgcac 720
aggatgtaat ctagatttcc caagttcagt ggggcaaaa atg act tat atg aaa aag 776
Met Thr Tyr Met Lys Lys
1 5

aag tcc cga gat gac gca ccc gtc gta atc gaa acc gtt caa gca gaa 824
Lys Ser Arg Asp Asp Ala Pro Val Val Ile Glu Thr Val Gln Ala Glu
10 15 20

cat gct gaa gaa ctc acg ggc act gca gca ttc gat gct gga cag gca 872
His Ala Glu Leu Thr Gly Thr Ala Ala Phe Asp Ala Gly Gln Ala
25 30 35

gac atg cca aca tgg ggc gag cta gtc gca gaa cat gca gat agc gtt 920
Asp Met Pro Thr Trp Gly Glu Leu Val Ala Glu His Ala Asp Ser Val
40 45 50

tac cgc ctc gcg tac cgt ctt tcc ggc aac cag cac gat gct gaa gac 968
Tyr Arg Leu Ala Tyr Arg Leu Ser Gly Asn Gln His Asp Ala Glu Asp
55 60 65 70

ctg acc caa gaa aca ttc atg cgt gtc ttc cgc tcg ttg aag agc tac 1016
Leu Thr Gln Glu Thr Phe Met Arg Val Phe Arg Ser Leu Lys Ser Tyr
75 80 85

cag cca ggc acc ttt gag ggc tgg ctg cac cgc atc acc acc aac ttg 1064
Gln Pro Gly Thr Phe Glu Gly Trp Leu His Arg Ile Thr Thr Asn Leu
90 95 100

ttc ctt gat atg gtt cgc cac cgc ggc aag atc cgc atg gag gcg ctg 1112
Phe Leu Asp Met Val Arg His Arg Gly Lys Ile Arg Met Glu Ala Leu
105 110 115

cct gaa gat tat gag cgc gtt ccg ggc aat gac atc acc cca gag cag 1160
Pro Glu Asp Tyr Glu Arg Val Pro Gly Asn Asp Ile Thr Pro Glu Gln
120 125 130

gca tac acc gaa gct aac ctt gac cca gct ctg cag gca gcc ctc gat 1208
Ala Tyr Thr Glu Ala Asn Leu Asp Pro Ala Leu Gln Ala Ala Leu Asp
135 140 145 150

gag ttg agc cca gac ttc cgc gtg gca gtg atc ctc tgt gat gtt gtt 1256
Glu Leu Ser Pro Asp Phe Arg Val Ala Val Ile Leu Cys Asp Val Val
155 160 165

ggt atg agc tat gac gaa atc gca gag acc ctc gga gtg aaa atg ggt 1304
Gly Met Ser Tyr Asp Glu Ile Ala Glu Thr Leu Gly Val Lys Met Gly
170 175 180

acc gtg cgt tcc cgt att cac cgt gga cgc agc cag ctt cgt gca agt 1352
Thr Val Arg Ser Arg Ile His Arg Gly Arg Ser Gln Leu Arg Ala Ser
185 190 195

Al
Cmt

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 Leu Glu Ala Ala Ala Met Thr Ser Glu Glu Val Ser Leu Leu Val Pro
 200 205 210

acc cac taaagttggt gtgttttctg acacgacaaa cgcaaagtgc gtgtcatttt 1456
 Thr His
 215

tgcagctcag tgcattatatt tgggggttcgt ggtgcggaca ggggaacttat cacaggcgac 1516
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 Glu His Ala Asp Ser Val Tyr Arg Leu Ala Tyr Arg Leu Ser Gly Asn
 50 55 60
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 Arg Ser Leu Lys Ser Tyr Gln Pro Gly Thr Phe Glu Gly Trp Leu His
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 Arg Ile Thr Thr Asn Leu Phe Leu Asp Met Val Arg His Arg Gly Lys
 100 105 110

AI
 Cmt

Ile Arg Met Glu Ala Leu Pro Glu Asp Tyr Glu Arg Val Pro Gly Asn
 115 120 125

Asp Ile Thr Pro Glu Gln Ala Tyr Thr Glu Ala Asn Leu Asp Pro Ala
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Leu Gln Ala Ala Leu Asp Glu Leu Ser Pro Asp Phe Arg Val Ala Val
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Ile Leu Cys Asp Val Val Gly Met Ser Tyr Asp Glu Ile Ala Glu Thr
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Leu Gly Val Lys Met Gly Thr Val Arg Ser Arg Ile His Arg Gly Arg
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Val Ser Leu Leu Val Pro Thr His
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